Title (en)

OXIDATION PROCESS

Title (de)

OXYDATIONSVERFAHREN

Title (fr)

PROCEDE D'OXYDATION

Publication

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Application

EP 94917854 A 19940525

Priority

- SE 9400489 W 19940525
- SE 9301890 A 19930603

Abstract (en)

[origin: WO9429003A1] A process for oxidizing a sulphite-ion-containing and/or hydrogen-sulphite-ion-containing aqueous solution in the presence of lime, preferably in wet flue-gas desulphurisation. In the process, lime, preferably calcium carbonate, is added to at least a part of the aqueous solution, and this part of the solution is then contacted with an oxygen-containing gas, such as air, before any precipitation of calcium sulphite has occurred. The oxygen-containing gas should be blown into the solution within 1 min of the addition of lime, preferably within 30 s, and most preferred within 5 s. It is further preferred that the solution be vigorously agitated, e.g. by means of a stirrer or a pump, when the process is implemented. The added lime should have a minimal particle size, and the average particle size preferably should not exceed about 30 mu m. It is preferred that the process be implemented at a temperature of about 40-60 DEG C.

IPC 1-7

B01D 53/34; B01D 53/50; C01F 11/46

IPC 8 full level

B01D 53/34 (2006.01); **B01D 53/50** (2006.01); **B01D 53/77** (2006.01); **C01F 11/46** (2006.01)

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